

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claims 1-37 are canceled.

38. (Previously presented) An expression vector comprising a vitellogenin gene operably linked to a promoter, wherein the promoter is functional in a eukaryotic host suitable for use as a feed or feed additive.

39. (Previously presented) The expression vector according to claim 38 wherein the promoter is functional in yeast.

40. (Previously presented) The expression vector according to claim 39 wherein the promoter is a constitutive promoter.

41. (Previously presented) The expression vector according to claim 40 wherein the promoter is a yeast glyceraldehyde-3-phosphate dehydrogenase (GAP) promoter.

42. (Previously presented) The expression vector according to claim 41 comprising SEQ ID NO: 1.

43. (Previously presented) The expression vector according to claim 42 which is Vtg (-SS)/pGAPZA, Vtg (VTGSS)/pGAPZA or Vtg (ÿSS)/pGAPZÿC.

44. (Previously presented) A transgenic eukaryotic host suitable for use as a feed or feed additive comprising the expression vector according to claim 38.

45. (Previously presented) A transgenic yeast comprising an expression vector wherein the expression vector comprises a vitellogenin gene operably linked to a promoter functional in yeast.

46. (Previously presented) The transgenic yeast according to claim 45 wherein multiple copies of the expression vector has integrated into the yeast genome.

47. (Previously presented) The transgenic yeast according to claim 45 wherein the promoter is yeast GAP promoter.

48. (Previously presented) The transgenic yeast according to claim 47 comprising SEQ ID NO: 1.

49. (Previously presented) The transgenic yeast according to claim 48 wherein the yeast is *Pichia pastoris*.

50. (Previously presented) The transgenic yeast according to claim 49 wherein vitellogenin protein is expressed intracellularly.

51. (Previously presented) The transgenic yeast according to claim 50 wherein yeast is protease deficient.

52. (Previously presented) The transgenic yeast according to claim 51 wherein the amino acid and lipid contents are increased.

53. (Previously presented) The transgenic yeast according to claim 52 wherein the level of polyunsaturated fatty acids is increased.

Claims 54-74 (Canceled).